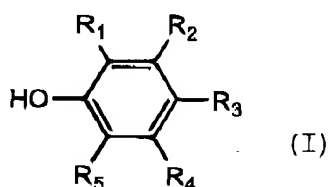
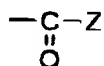


**CLEAN VERSION OF AMENDED CLAIMS**

1. (Twice Amended) A molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds prepared by the method of reacting a phenol derivative represented by Formula (I)



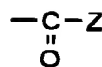
wherein  $R_1$  and  $R_5$  are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



wherein Y and Z are selected from the group consisting of alkyl having 1 to 8 carbons, alkenyl having 2 to 8 carbons, alkoxy having 1 to 6 carbons, hydroxyl, substituted amino, substituted cycloalkyl, substituted phenyl or substituted aralkyl;

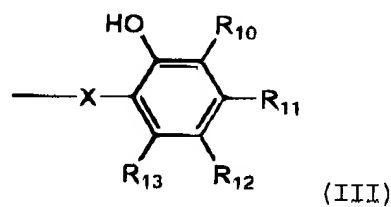
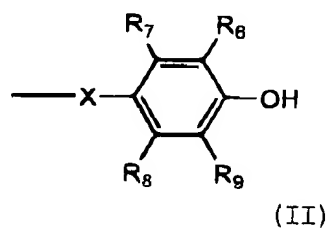
$R_2$  and  $R_4$  are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or

hydroxyl or

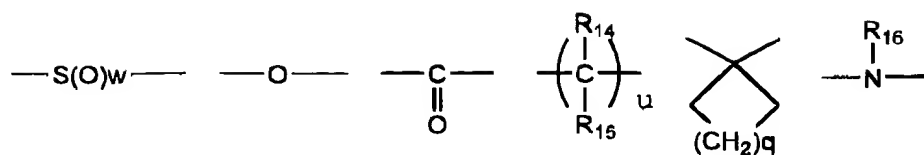


wherein Y and Z are as defined above, in case  $\text{R}_1$ ,  $\text{R}_3$  or  $\text{R}_5$  is alkoxy having 1 to 4 carbons or hydroxyl;

$\text{R}_3$  is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, Formula (II) or Formula (III)



wherein X is selected from the group consisting of



wherein w is 0, 1 or 2; u is 0 or 1; q is 0 to 4; R<sub>14</sub> and R<sub>15</sub> are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, optionally substituted phenyl or optionally substituted aralkyl; R<sub>16</sub> is selected from the group consisting of hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, substituted phenyl or substituted aralkyl;

R<sub>6</sub>, R<sub>9</sub> and R<sub>10</sub> are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl, or



wherein Y and Z are as defined above;

$R_7$ ,  $R_8$ ,  $R_{11}$  and  $R_{13}$  are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or hydroxyl, but  $R_{11}$  is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or



wherein Y and Z are as defined above in case  $R_{12}$  is alkoxy having 1 to 4 carbons or hydroxyl;  $R_{12}$  is selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons, hydroxyl or selected from the group consisting of



wherein Y and Z are as defined above, or selected from the group consisting of



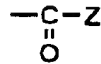
wherein Y and Z are as defined above, or

when R<sub>3</sub> is of Formula (II), one of R<sub>1</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>9</sub> is selected from the group consisting of



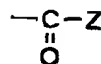
wherein Y and Z are as defined above

when R<sub>3</sub> is of Formula (III), at least one of R<sub>1</sub>, R<sub>5</sub> and R<sub>10</sub> is selected from the group consisting of



where Y and Z are as defined above, and

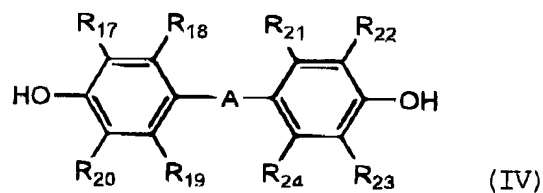
when R<sub>3</sub> is selected from a group other than the group consisting of Formula (II) or (III), either R<sub>1</sub> or R<sub>5</sub> is selected from the group consisting of



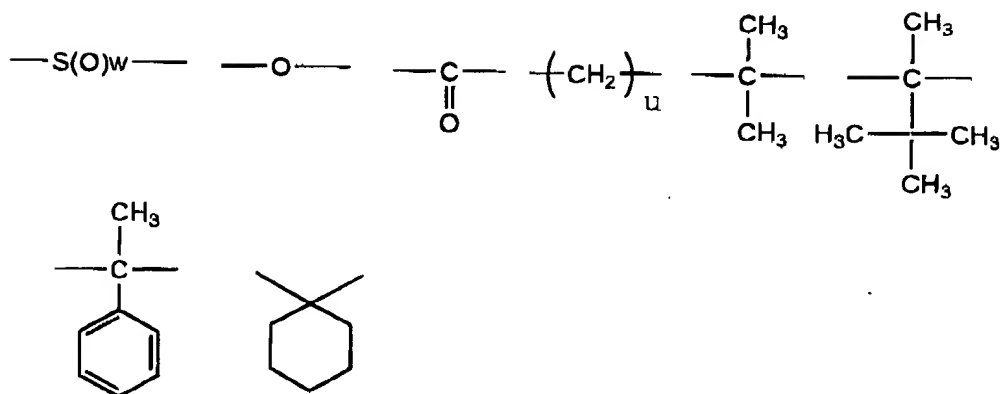
wherein Y and Z are as defined above, and

the phenol derivative is reacted with an organic compound under conditions sufficient to form the molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds having the phenol derivative as a constituent, the constituent being a host.

2. (Twice Amended) A molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds prepared by the method of reacting a phenol derivative represented by Formula (IV)



wherein A is selected from the group consisting of



wherein  $w$  is 0, 1 or 2 and  $u$  is 0 or 1;  $R_{18}$ ,  $R_{19}$ ,  $R_{21}$  and  $R_{24}$  are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons;  $R_{17}$  is selected from the group consisting of



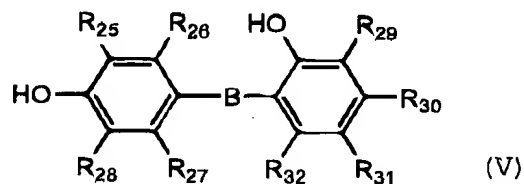
wherein  $Y$  and  $Z$  are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl

having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen,  $\alpha$ -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and  $R_{20}$ ,  $R_{22}$  and  $R_{23}$  are same or different, hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or the same groups as those for  $R_{17}$ , and

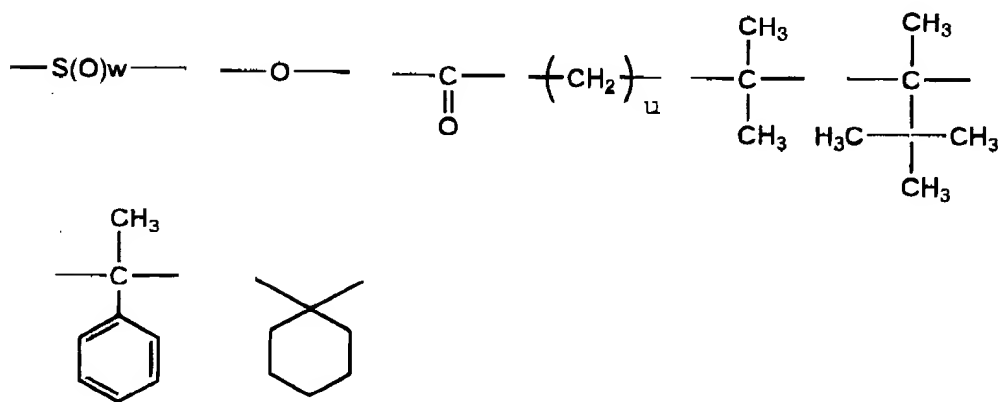
an organic compound, as the other reactant under conditions sufficient to form the molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds having the phenol derivative as a constituent, the constituent being a host.



3. (Amended) A molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds prepared by the method of reacting a phenol derivative represented by Formula (V)



wherein B is a group selected from



wherein w is 0, 1 or 2 and u is 0 or 1;  $R_{26}$ ,  $R_{27}$ ,  $R_{30}$  and  $R_{32}$  are same or different selected from

the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons;  $R_{25}$ ,  $R_{28}$ ,  $R_{29}$  and  $R_{31}$  are same or different selected from the group consisting of hydrogen, halogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4 carbons or

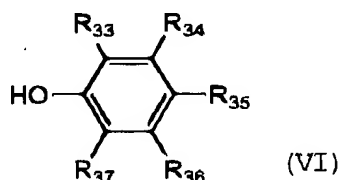


wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen,  $\alpha$ -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and at least one of  $R_{25}$ ,  $R_{28}$  and  $R_{29}$  is selected from the group consisting of



wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen,  $\alpha$ -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, and an organic compound as the second reactant under conditions sufficient to form the molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds having the phenol derivative as a constituent, the constituent being a host.

4. (Amended) A molecular compound selected from the group consisting of hydrates, solvates, adducts and clathrate compounds prepared by the method of reacting a phenol derivative represented by Formula (VI)



wherein  $R_{33}$  is selected from the group consisting of



wherein Y and Z are selected from the group consisting of alkyl having 1 to 6 carbons, alkenyl having 2 to 6 carbons, cyclohexyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, cyclopentyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or halogen, benzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or halogen, phenethyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons

or alkoxy having 1 to 4 carbons or hydroxyl or halogen,  
 $\alpha$ -methylbenzyl which may have alkyl having 1 to 4 carbons or alkenyl having 2 to 4 carbons or  
alkoxy having 1 to 4 carbons or hydroxyl or halogen, or naphthyl which may have alkyl having 1  
to 4 carbons or alkenyl having 2 to 4 carbons or alkoxy having 1 to 4 carbons or hydroxyl or  
halogen, and  $R_{34}$ ,  $R_{35}$ ,  $R_{36}$  and  $R_{37}$  are same or different selected from the group consisting of  
hydrogen, alkyl having 1 to 4 carbons, alkenyl having 2 to 4 carbons, alkoxy having 1 to 4  
carbons, hydroxyl, halogen or the same groups as those for  $R_{33}$ , with an organic compound as the  
second reactant under conditions sufficient to form the molecular compound selected from the  
group consisting of hydrates, solvates, adducts and clathrate compounds having the phenol  
derivative as a constituent, the constituent being a host.

**NEW CLAIMS**

28. The molecular compound prepared according to the method of claim 1, wherein the organic compound is selected from the group comprising:

antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents, that react with the said phenol derivative to form the molecular compound.

29. The molecular compound prepared according to the method of claim 2, wherein the organic compound is selected from the group comprising:

antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents, that react with the said phenol derivative to form the molecular compound.

30. The molecular compound prepared according to the method of claim 3, wherein the organic compound is selected from the group comprising:

antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents, that react with the said phenol derivative to form the molecular compound.

31. The molecular compound prepared according to the method of claim 4, wherein the organic compound is selected from the group comprising:

antibacterial agents, antifungal agents, insecticides, noxious insect repellants, perfumes, deodorants, antifouling agents, curing agents and accelerators for coating materials, resins and adhesives, natural essential oils, antioxidants, vulcanization accelerators or organic solvents, that react with the said phenol derivative to form the molecular compound.